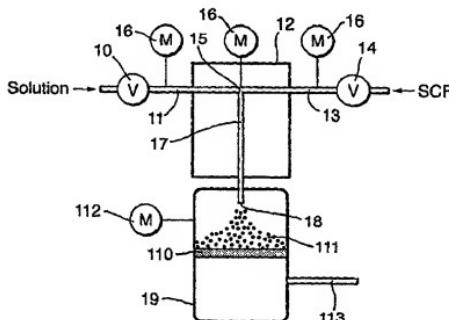




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(54) Title: PROCESS AND APPARATUS FOR PRODUCING PARTICLES USING A SUPERCRITICAL FLUID



(57) Abstract

A process, and a suitable apparatus, for production of particles of a material in which a stream of a dispersion of the material in a solvent and a stream of a compressible fluid antisolvent substance are mixed under conditions such that the substance is in compressible fluid antisolvent state. The mixture then flows along a conduit (17) toward an orifice (18), from which it flows into a downstream region in which the compressible fluid antisolvent substance decompresses and the material is isolated in a particulate state. Preferably the antisolvent substance is a supercritical fluid. The process and apparatus can generate a co-formulation of the material with additives which can be introduced in a suitable aqueous or solvent based carrier vehicle.